

MR929-675

Application Serial No. 09/859,597

Responsive to Office Action dated 26 April 2005

AMENDMENTS TO THE CLAIMS

The following Listing of Claims will replace all prior versions, and Listing of Claims, in the Application:

Listing of Claims:

Claim 1 (Currently Amended): A digital camera with a multi-illuminating source, the digital camera comprising:

- a microprocessor for providing a trigger signal in one of a flash lamp illuminating mode and an infrared illuminating mode;

- a flash lamp driver connected to the microprocessor for receiving the trigger signal in the flash lamp illuminating mode;

- a flash lamp connected to the flash lamp driver, wherein the flash lamp is controlled by the flash lamp driver to emit a flashlight signal toward a target;

- a laser driver connected to the microprocessor for receiving the trigger signal in the infrared illuminating mode;

- an infrared element connected to the laser driver for emitting a series of infrared light signals toward the target, wherein the infrared light signals are pulsed in an alternating series of on and off states;

- a charge coupled sensor connected to the microprocessor for receiving a reflected signal from the target through a filter and converting the reflected signal into a digital photo signal, wherein the charge coupled sensor is alternatively operable to be

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synchronized to the pulsed series of infrared light signals during the infrared illuminating mode, and to have a sensing period longer than an emitting period of the flashlight signal during the flash lamp illuminating mode; and

a memory connected to the charge coupled sensor for storing the digital photo signal from the charge coupled sensor.

and an

Claim 2 (Original): The digital camera with a multi-illuminating source as claimed in Claim 1, wherein the infrared element is an infrared laser diode (IR LD).

Claim 3 (Original): The digital camera with a multi-illuminating source as claimed in Claim 1, wherein the infrared element is an infrared light emitting diode (IR LED).